

PATENT Customer No. 22,852 Attorney Docket No. 09140-0025-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
David DAWES) Group Art Unit: 2883
Application No.: 10/650,461	Examiner: Frank G. FONT
Filed: August 27, 2003) Confirmation No.: 7106
For: OPTICALLY COUPLING INTO HIGHLY UNIFORM WAVEGUIDES)))
Mail Stop AMENDMENTS Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	
Sir:	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant brings to the attention of the Examiner the documents listed on the attached Form PTO/SB/08. This Information Disclosure Statement is being filed, to the undersigned's knowledge, before the mailing date of a first Office Action on the merits for the above-referenced application.

These documents include U.S. patents and applications that are possibly related to the pending application by subject matter, as summarized in the chart below. This submission should not be construed, however, as an admission of relatedness.

Attorney Docket Number	U.S. Patent/ Serial No.	U.S./PCT Publication No.	Title	Examiner
09140-0002-01	6,506,289	US 2002/0033330 A1	Planar optical devices and methods for their manufacture	Steven H. VERSTEEG
09140-0004-00	6,533,907	US 2002/0134671 A1	Method of Producing amorphous silicon for hard mask and waveguide applications	Steven H. VERSTEEG
09140-0014-00	09/903,081	US 2003/0063883 A1	As-deposited planar optical waveguides with low scattering loss and methods for their manufacture	John M. HOFFMANN
09140-0015-00	10/101,492	US 2003/0173208 A1	Mode size converter for a planar waveguide	Steven H. VERSTEEG
09140-0016-00	10/101,863	US 2003/0173207 A1	Biased pulse DC reactive sputtering of oxide films	Michelle ESTRADA
09140-0016-01	10/954,182		Biased pulse DC reactive sputtering of oxide films	Not Yet Assigned
09140-0017-00	10/101,341	US 2003/0175142 A1	Rare-earth pre-alloyed PVD targets for dielectric planar applications	Daniel J. JENKINS
09140-0021-00 (abandoned)	10/101,493	US 2003/0174391 A1	Gain flattened optical amplifier	Deandra M. HUGHES
09140-0025-00 (present application)	10/650,461	US 2004/0105644 A1 WO 2004/021532 A1	Optical Coupling into Highly Uniform Waveguides	Frank G. FONT
09140-0030-00	10/789,953	US 2005/0006768 A1 WO 2004/077519 A2	Dielectric Barrier Films	Remmon R. FORDE
09140-0033-00	10/851,542	US 2004/0259305 A1	Energy Conversion and Storage Devices by Physical Vapor Deposition of Titanium and Titanium Oxides and Sub-Oxides	Lynne Ann GURLEY

Attorney Docket Number	U.S. Patent/ Serial No.	U.S./PCT Publication No.	Title	Examiner
09140-0034-00	10/850,968	US 2005/0000794 A1	Transparent Conductive Oxides from a Metallic Target	Marianne L. PADGETT

Copies of U.S. Patents and U.S. Patent Publications are not provided. Copies of foreign patent documents and non-patent literature documents are included herewith.

U.S. Patent Application No. 10/954,182 (Attorney Docket No. 09140-0016-01) is a continuation of U.S. Patent Application No. 10/101,863 (Attorney Docket No. 09140-0016-00) and has the same specification. Therefore Applicant does not submit another copy of the 182' application.

Applicant submits copies of Office Actions issued by the U.S. Patent and Trademark

Office in the above-listed applications and Applicant's responses to these office actions.

Applicant also submits International Search Reports and Written Opinions issued in the Patent

Cooperation Treaty applications corresponding to the U.S. Patent Applications listed above.

Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

U.S. Patent Application No. 10/650,461 Attorney Docket No. 09140-0025-00 Customer No. 22,852

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Dated: February 9, 2005

Gary J. Edw

Reg. No. 41,008

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	12

Complete if Known OIPE						
Application Number	10/650,461	/ '6				
Filing Date	August 27, 2003	550 · 5				
First Named Inventor	DAWES.	- 128 1 0 Z005 L.				
Art Unit	2883	(Z)				
Examiner Name	Frank G. FONT	A. Car				
Attorney Docket Number	09140-0025-0000	ORADEMAN				

xaminer Initials	Cite No.1	Document Number Number-Kind Code ² (J known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 2001/0027159 A1	Oct. 4, 2001	Kaneyoshi	Figures Appear
		US 2002/0033330 A1	Mar. 21, 2002	Demaray et al.	
		US 2002/0106297 A1	Aug. 8, 2002	Ueno et al.	
	-	US 2002/0134671 A1	Jul. 17, 2003	Demaray et al.	
		US 2002/0170821 A1	Nov. 21, 2002	Sandlin et al.	
		US 2003/0019326 A1	Jan. 30, 2003	Han et al.	
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		US 2003/0042131 A1	Mar. 6, 2003	Johnson	
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,		US 2003/0077858 A1	May 29, 2003	Strohhofer et al.	
		US 2003/0141186 A1	Jul. 31, 2003	Wang et al.	
		US 2003/0171100 A1	Sep. 18, 2003	Zhang et al.	
		US 2003/0173207 A1	Sep. 18, 2003	Pan et al.	
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		US 2004/0259305 A1	Dec. 23, 2004	Demaray et al.	
		US 2005/0000794 A1	Jan. 6, 2006	Demaray et al.	
		US 2005/0006768 A1	Jan. 13, 2005	Narasimhan et al.	-
		US 3,616,403	Oct. 26, 1971	Collins et al.	
		US 3,850,604	Nov. 26, 1974	Klein	
		US 4,111,523	Sep. 5, 1978	Kaminow et al.	
		US 4,437,966	Mar. 7, 1961	Hope et al	
		US 4,619,680	Oct. 28, 1986	Nourshargh et al.	
		US 4,710,940	Dec. 1, 1987	Sipes, Jr.	
		US 4,785,459	Nov. 15, 1988	Baer	
		US 4,915,810	Apr. 10, 1990	Kestigian et al.	
		US 4,978,437	Dec. 18, 1990	Wirz	
		US 5,085,904	Feb. 4, 1992	Deak et al.	
		US 5,107,538	Apr. 21, 1992	Benton et al.	

Examiner	Date	
Signature	 Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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On market is the same						
	Complete if Known					
Application Number	10/650,461					
Filing Date	August 27, 2003					
First Named Inventor	DAWES.					
Art Unit	2883					
Examiner Name	Frank G. FONT					
Attorney Docket Number	09140-0025-00000					

Examiner Cite Document Number Issue or Name of Patentee or Pages, Columns, Lines, Where					
Initials	No.	Number-Kind Code ² (I known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US 5,119,460	Jun. 2, 1992	Bruce et al.	
		US 5,174,876	Dec. 29, 1992	Buchal et al.	
		US 5,196,041	Mar. 23, 1993	Tumminelli et al.	
		US 5,200,029	Apr. 6, 1993	Bruce et al.	
		US 5,206,925	Apr. 27, 1993	Nakazawa et al.	
		US 5,225,288	Jul. 6, 1993	Beeson et al.	
		US 5,237,439	Aug. 17, 1993	Misono et al.	
		US 5,252,194	Oct. 12, 1993	Demaray et al.	
		US 5,287,427	Feb. 15, 1994	Atkins et al.	
		US 5,303,319	Apr. 12, 1994	Ford et al.	
		US 5,306,569	Apr. 26, 1994	Hiraki	
		US 5,355,089	Oct. 11, 1994	Treger	
		US 5,381,262	Jan. 10, 1995	Arima et al.	
		US 5,427,669	Jun. 27, 1995	Drummond	
		US 5,457,569	Oct. 10, 1995	Liou et al.	
		US 5,475,528	Dec. 12, 1995	LaBorde	
		US 5,483,613	Jan. 9, 1996	Bruce et al.	
		US 5,499,207	Mar. 12, 1996	Miki et al.	
		US 5,555,127	Sep. 10, 1996	Abdelkader et al.	
		US 5,563,979	Oct. 8, 1996	Bruce et al.	
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		US 5,591,520	Jan. 7, 1997	Migliorini et al.	
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		US 5,607,789	Mar. 4, 1997	Treger et al.	
		US 5,613,995	Mar. 25, 1997	Bhandarkar et al.	
		US 5,654,054	Aug. 5, 1997	Tropsha et al.	
		US 5,654,984	Aug. 5, 1997	Hershbarger et al.	
		US 5,686,360	Nov. 11, 1997	Harvey, III et al.	
		US 5,693,956	Dec. 2, 1997	Shi et al.	_
		US 5,718,813	Feb. 17, 1998	Drummond	

Examiner	Date	
Signature	Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	12

Complete if Known					
Application Number	10/650,461				
Filing Date	August 27, 2003				
First Named Inventor	DAWES.				
Art Unit	2883				
Examiner Name	Frank G. FONT				
Attorney Docket Number	09140-0025-00000				

		U.S. PATENTS	AND PUBLISHE	D U.S. PATENT APPLICAT	IONS
Examiner Initials	Cite No.1	Document Number Number-Kind Code ² (d known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or App!!cant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US 5,719,976	Feb. 17, 1998	Henry et al.	
		US 5,731,661	Mar. 24, 1998	So et al.	
-		US 5,755,938	May 26, 1998	Fukui et al.	,
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		US 5,762,768	Jun. 9, 1998	Goy et al.	
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		US 5,792,550	Aug. 11, 1998	Phillips et al.	
		US 5,811,177	Sep. 22, 1998	Shi et al.	
		US 5,830,330	Nov. 3, 1998	Lantsman	
		US 5,831,262	Nov. 3, 1998	Greywall et al.	
		US 5,841,931	Nov. 24, 1998	Foresi et al.	
		US 5,847,865	Dec. 8, 1998	Gopinath et al.	
		US 5,849,163	Dec. 15, 1998	Ichikawa et al.	
		US 5,853,830	Dec. 29, 1998	McCaulley et al.	
		US 5,855,744	Jan. 5, 1999	Halsey et al.	
		US 5,870,273	Feb. 9, 1999	Sogabe et al.	
		US 5,882,946	Mar. 16, 1999	Otani	
		US 5,900,057	May. 4, 1999	Buchal et al.	
		US 5,930,584	Jul. 27, 1999	Sun et al.	
		US 5,942,089	Aug. 24, 1999	Sproul et al.	
		US 5,948,215	Sep. 7, 1999	Lantsman	
		US 5,952,778	Sep. 14, 1999	Haskal et al.	
		US 5,961,682	Oct. 5, 1999	Lee et al.	
		US 5,966,491	Oct. 12, 1999	DiGiovanni	
		US 5,977,582	Nov. 2, 1999	Fleming et al.	
. =		US 6,001,224	Dec. 14, 1999	Drummond	
		US 6,004,660	Dec. 21, 1999	Topolski et al.	
		US 6,024,844	Feb. 15, 2000	Drummond et al.	
		US 6,046,081	Apr. 4, 2000	Kuo	
		US 6,051,114	Apr. 18, 2000	Yao et al.	
		US 6,051,296	Apr. 18, 2000	McCaulley et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	4	of	12

Complete if Known					
Application Number	10/650,461				
Filing Date	August 27, 2003				
First Named Inventor	DAWES.				
Art Unit	2883				
Examiner Name	Frank G. FONT				
Attorney Docket Number	09140-0025-00000				

Examiner Initials	Cite No.	Document Number Number-Kind Code ² (If known)	Issue or Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
			MM-DD-YYYY	7 1 1	Figures Appear
		US 6,057,557	May 2, 2000	Ichikawa	
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		US 6,071,323	Jun. 6, 2000	Kawaguchi	
		US 6,077,642	Jun. 20, 2000	Ogata et al.	
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		US 6,093,944	Jul. 25, 2000	VanDover	
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		US 6,146,225	Nov. 14, 2000	Sheats et al.	
		US 6,157,765	Dec. 5, 2000	Bruce et al.	-10
		US 6,162,709	Dec. 19, 2000	Raux et al.	
		US 6,165,566	Dec. 26, 2000	Tropsha	
		US 6,176,986 B1	Jan. 23, 2001	Watanabe et al.	
	Ì	US 6,197,167 B1	Mar. 6, 2001	Tanaka	
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		US 6,302,939 B1	Oct. 16, 2001	Rabin et al.	
		US 6,344,419 B1	Feb. 5, 2002	Forster et al.	. =
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Examiner	Date		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

C	omplete if Known	
Application Number	10/650,461	
Filing Date	August 27, 2003	
First Named Inventor	DAWES.	
Art Unit	2883	
Examiner Name	Frank G. FONT	
Attorney Docket Number	09140-0025-00000	

Examiner	Cite	Document Number	Issue or	Name of Patentee or	Pages, Columns, Lines, Where
Initials	No.	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
		US 6,413,382 B1	Jul. 2, 2002	Wang et al.	
		US 6,413,645 B1	Jul. 2, 2002	Graff et al.	
		US 6,416,598 B1	Jul. 9, 2002	Sircar	
		US 6,423,776 B1	Jul. 23, 2002	Akkapeddi et al.	
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		US 6,563,998 B1	May 13, 2003	Farah et al.	
		US 6,576,546 B2	Jun. 10, 2003	Gilbert et al.	
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		US 6,750,156 B2	Jun. 15, 2004	Le et al.	

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Note: Copies of the U.S. Patent Documents are not Required in IDS filed after October 21, 2004

			FOREIGN P	ATENT DOCUMENTS		
Examiner Initials	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		EP 0 510 883 A2	10/28/1992	AT&T		
		EP 0 820 088 A2	01/21/1998	Applied Komatsu Technology, Inc.		
		EP 0 867 985 B1	09/01/1998	Nederlandse Organisatie Voor Toegepast- Natuurwetenschapelijk Onderzoek Tno		
		EP 1 189 080 A2	03/20/2002	Agere Systems Optoelectronics Guardian Corporation		
		JP 2-054764 A2	02/23/1990	Leybold AG		Abstract

Examiner	Date	1.00
Signature	Considered	

IDS Form PTO:SBI38: Substitute for form 1449A/PTO				Complete if Known		
.DS FEIRIF FO.SB 00. GEBSLIGE ID. ISHII 1440AF FO		Application Number	10/650,461			
INFORMATION DISCLOSURE				Filing Date	August 27, 2003	
				First Named Inventor	DAWES.	
STATEMENT BY APPLICANT		Art Unit	2883			
(Use as many sheets as necessary)				Examiner Name	Frank G. FONT	
Ch4	6	26	1 12	Attornous Dookst Number	00140 0035 00000	

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JP 6-100333 A	12/04/1994	Kobe Steel Ltd.	Abstract		
WO 96/23085 A1	08/01/1996	Applied Komatsu Technology, Inc.			
WO 97/35044 A1	09/25/1997	Material Research Corporation			
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WO 2004/077519 A2	09/10/2004	Narasimhan et al.			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		AFFINITO et al., "PML/oxide/PML Barrier Layer Performance Differences Arising from Use of UV or Electron Beam Polymerization of the PML Layers," <i>Thin Solid Films</i> Vol. 308-309, pp. 19-25 (1997)	
		AFFINITO et al., "Polymer-Oxide Transparent Barrier Layers," Society of Vacuum Coaters, 39th Ann. Technical Conference Proceedings, May 5-10, 1996, Philadelphia, PA, pp. 392-397 (1996).	
		ALDER, T. et al., "High-Efficiency Fiber-to-Chip Coupling Using Low-Loss Tapered Single-Mode Fiber," <i>IEEE Photonics Technology Letters</i> , 12(8):1016-1018, (2000).	
		ALMEIDA, Vilson R. et al., "Nanotaper for compact mode conversion," <i>Optics Letters</i> , 28(15):1302-1304, (2003).	
		ASGHARI et al., "ASOCA Manufacturing Integrated Optics Technology," Part of the SPIE Conference on Integrated Optics Devices III, vol. 3620, pp. 252-262 (Jan. 1999).	
		BARBIER et al, "Amplifying Four-Wavelength Combiner, Based on Erbium/Etterbium-Doped Waveguide Amplifiers and Integrated Splitters", <i>IEEE PHOTONICS TECHNOLOGY LETTTERS</i> , Vol. 9, pp 315-317 (1997).	
		BARBIER, Denis, "Performances and potential applications of erbium doped planar waveguide amplifiers and lasers," GeeO, pp. 58-63 (date unknown).	
		BELKIND et al., "Using pulsed direct current power for reactive sputtering of Al ₂ O ₃ ," <i>J. Vac. Sci. Technol.</i> A 17(4), pp. 1934-40 (Jul. 1999).	
		BESTWICK, T., "ASOC silicon integrated optics technology," Part of the SPIE Conferences on Photonics Packaging and Integration, SPIE vol. 3631, pp. 182-190 (Jan. 1999).	
		BORSELLA et al., "Structural incorporation of silver insoda-lime glass by the ion-exchange process: a photoluminescence spectroscopy study", <i>Applied Physics</i> A 71, pp. 125-132 (2000).	
		BYER et al., "Nonlinear Optics and Solid-state Lasers," <i>IEEE Journal on Selected Topics in Quantum Electronics</i> , Vol. 6, No. 6, pp. 921-929 (Nov. 2000).	

Examiner	Date	
Signature	Considered	

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/650,461

Filing Date August 27, 2003

First Named Inventor DAWES.

Art Unit 2883

Examiner Name Frank G. FONT

Attorney Docket Number

12

Sheet

09140-0025-00000

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
·		CAMPBELL et al., "Titanium dioxide (TiO ₂)-based gate insulators," <i>IBM J. Res. Develop</i> . 43(3), 383-391, (May 1999).	
		CHANG, C.Y. (edited by), "ULSI Technology," The McGraw-Hill Companies, Inc., New York, 1996, Chapter 4, pp. 169-170, 226-231 (1996)	
		CHEN et al. "Development of Supported Bifunctional Electrocatalysts for Unitized Regenerative Fuel Cells," <i>Journal of the Electrochemical Society</i> , 149(8), A1092-99, (2002).	
		CHOI et al., "Er-Al-codoped silicate planar light waveguide-type amplifier fabricated by radio-frequency sputtering," <i>Optics Letters</i> , vol. 25, No. 4, pp. 263-265 (Feb. 15, 2000).	
		COOKSEY et al. "Predicting Permeability & Transmission Rate for Multilayer Materials," Foodtechnology, Vol. 53, No. 9, pp. 60-63 (September 1999).	
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		Distiributed Energy Resources: Fuel Cells, Projects, http://www.eere.energy.gov/der/fuel_cells/projects.html (2003).	
		DuPont Teijin Films, Mylar 200 SBL 300, Product Information (2000).	
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		E-Tek website: FAQ, Inside E-Tek, E-Tek News, Products; http://www.etek-inc.com/ (2003).	
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ^e
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citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known					
Application Number	10/650,461				
Filing Date	August 27, 2003				
First Named Inventor	DAWES.				
Art Unit	2883				
Examiner Name	Frank G. FONT				
Attorney Docket Number	09140-0025-00000				

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